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PHOTOGRAPHIC INTERPRETATION REPORT

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STATUS OF CSA-1 SITES, CHINA

25X1
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25X1

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CHINA

STATUS OF CSA-1 SITES

ABSTRACT

- 1. The Communist Chinese, through site hardening, are intensifying their passive defensive measures of the CSA-1 (SAM) sites. This report differentiates the field, permanent, and hardened SAM site deployment in China. Training and operational deployment also are covered.
- 2. This report contains six photos, an artist's concept of a partly underground SAM site, and a location map with status table.

INTRODUCTION

- 3. The trend in SAM deployment within China has changed from field-type deployed sites to permanent-type sites and since 1971 to hardened permanent-type sites (Figure 1).
- 4. In 1966 the Chinese had three permanent (fixed) SAM sites and approximately 40 field (mobile) SAM sites. By December 1970 the number of permanent sites had increased to 24 and the number of field sites had diminished to approximately 25. The construction of permanent SAM sites and site hardening were intensified between January 1971 and January 1973. The result was an increase of 32 permanent sites, for a new total of 56 permanent SAM sites. Twenty-five of the 56 permanent sites are in varying stages of site hardening. In this same time period the number of field sites had decreased to 17.

5.	the total Chinese CSA-1 count was 73 sites. The	25 X 1
breakdow	n, by type, was 25 hardened sites (in varying stages of hardening), 31 non-	
hardened	permanent sites, and 17 field sites (Figure 2 and Table 1).	

BASIC DESCRIPTION

Site Hardening

- 6. The most extensively hardened facility (item 9, Figure 2) is the Ta-chin-tao SAM Site at the entrance to the Po Hai (Gulf of Chihli). The launchers are mounted on narrow-gauge rails and can be moved into the tunnels to the rear of each launch position. These tunnels probably converge, forming a cavern which may be utilized as a load/reload area inside the hill. The guidance radar is mounted on an elevator and when retracted is protected by sliding doors (Figure 3).
- 7. The latest concept in site hardening is at Nan-ching COl-1 item 51, Figure 2). At this site the launcher is probably rail mounted and secured in earth-mounded bunkers to the rear of each launch position. The drive-through missile-hold bunkers are on the deeply revetted intra-service roads (Figure 4).

Training

8. Three SAM training are	eas have been identified in China: San-yuan SAM	
Training Area	Shan-tan SAM Training Area A	and $25X1$
Shan-tan SAM Training Area B	Figure 2). Of these facilities only	
the San-yuan SAM Training Area	a has shown an increase in training activity over t	he
past vear.		

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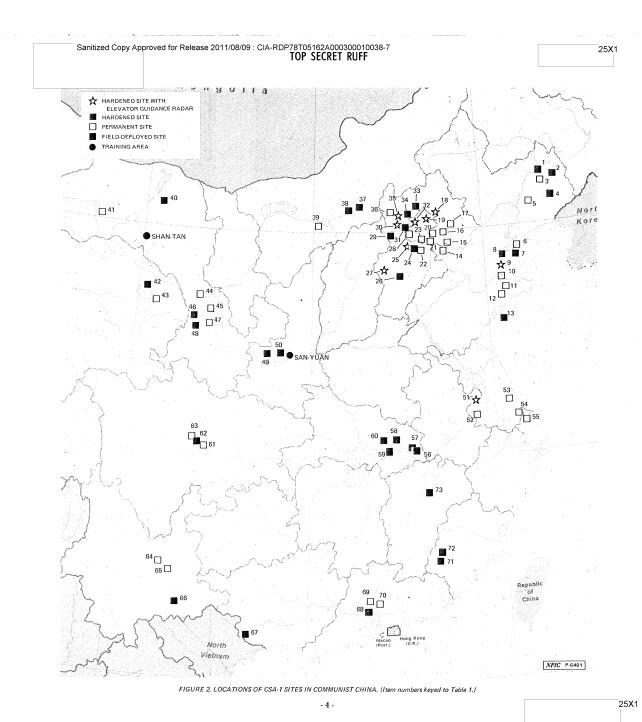
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9. A full-scale SAM site is within the training area of the San-yuan Training Area (Figure 5). However, because of its location within a heavily populated area, it is probably not used for live fire training. This installation appears to be used primarily for the training of radar operators and electronics specialists. A normal level of activity, in the past, has been based on the presence of 18 CSA-1 launchers and three guidance radars. In February 1972 36 launchers and five guidance radars were observed. In July 1972 and October 1972 the level of activity fluctuated from slightly below to just above the normal level of activity. In April 1973 an increase in activity was again observed. This increase of activity included the presence of 48 CSA-1 launchers and five guidance radars.	25X1 25X1 25X1
10. Shan-tan SAM Training Area A decreased in activity particularly in the number of support vehicles present. On coverage of October 1971 the vehicle count was 128. This decreased to 84 in February 1972 and further decreased to 24 in April 1973	25X1 25X1 25X1
11. Shan-tan SAM Training Area B, which is the only known live fire training area, has been devoid of all missile-related activity since March 1972 and outwardly appears to be abandoned. In the past an increase in the level of activity at this facility usually preceded deployment of operational SAM battalions.	25X1
REFERENCES	
RELATED DOCUMENTS	
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NPIC. Photo Interpretation Note, CSA-1 SAM Site Displaying New Hardening Concept, Ta-chin-tao, China, May 73 (TOP SECRET RUFF)	2581
REQUIREMENT	
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Table 1 Status of CSA-1	Situe as of lung 1973	(Itame kovád to Figure 2.)	

ITEM	SITE	occ	UNP	HARD	PERMANENT	FIELD	PEMARKS	ITEM	SITE	occ	UNP	HARD	PERMANENT	FIELD	REMARKS
1	Shen-yang C04-1	Х		х	х			38	Hu-ho-hao-te	Х		X	X	11220	DEMINING
2	Fu-shun	×		×	×			39	C12-1 Pao-tou	х			×		
3	D08-1 Shen-yang		×						A11-1	^			X		
4	B05-1 Pen-chi	v	^		X		UNP since Mar 73	40	Shuang-cheng-tzu B07-1		Х			×	UNP for over 2 yrs
	B10-1	×		Х	X			41	Yu-men A12A-1	Х			×		
5	An-shan B23-1	X			×			42	Kang-cha A22-1	х				×	
6	Lu-ta C04-1	X			×			43	Hai-yen B25A-1	Х			x		
7	Lu-ta B08-1		X			x		44	Lan-chou F35-1	х			x		
8	Lu-ta C26-1	х		×	×		UCO; bnkd msl-hold	45	Lan-chou E04-1	х			×		OCC over 3 yrs
9	Ta-chin-tao SAM Site	х		×	×		Rail-served lchrs; elevator	46	Lan-chou	х		×	×		
10	Yen-tai D30-1	X			×		guidance radar	47	C29-1 Lan-chou		х		×		UNP over 3 yrs
11	Yen-tai	X			×		OCC for 2 yrs	48	B12A-1 Lan-chou	х		×	x		·
12	C30-1 Lai-yang	×			×		OCC at least 3 yrs	49	C25A-1 Pao-chi	×				×	
13	A36-1 Chao-lien-tao		x			×	Island site, 4 positions,	50	B07-1 San-yuan	×					
14	SAM Site Tang-ku	×			x	.,	transitory		E28-1					X	Collocated with training area
15	B23-1 Tang-ku		×					51	Nan-ching C01-1	X		×	X		Lchr-hold bunkers; prob elevator guidance rdr
16	A36-1				х		UNP for 1 yr	52	Nan-ching A16-1	X			×		OCC over 1 yr
	Pei-ching D08-1		х		x		UNP for over 2 yrs	53	Nan-tung C31-1	Х			×		Collocated with afld
17	Tang-shan D36-1	X			×			54	Shang-hai B36-1	х			×		
18	Cheng-te C27A-1	Х		х	×		Elevator guidance rdr; bnkd msl-hold cocoon	55	Shang-hai B09-1	х			×		
19	Pei-ching C03	Х		×	×		Elevator guidance rdr; co-	56	Huang-shih		х			×	Collocated with A02A-1
20	Pei-ching D11-1	X			×		coons; bnkd msl-hold	57	A02-1 Huang-shih	х		x	×		
21	Pei-ching C14-1		×		×		UNP for over 2 yrs	58	A02A-1 Wu-han	x		×	×		
22	Pei-ching	х			×			59	B03-1 Wu-han	х		×	x		
23	D20-1 Pei-ching		×		×		UNP for over 2 yrs	60	B20-1 Wu-han	x				×	
24	C18-1 Pei-ching	х				×	Collocated with F23-1	61	E32-1 Cheng-tu	×			х	^	
25	F23A-1 Pei-ching		x	х	×		UCO elevator guidance co-	62	B13-1	^	.,		*		
26	F23-1 Shih-chia-chuang	×	-	.,	^	x	coon		Cheng-tu B26-1		х			X	
27	C10-1 Shih-chia-chuang	×		~	v	^		63	Cheng-tu C33-1	×		×	Х		
28	C32-1	^		×	X		Prob elevator guidance co- coons	64	Kun-ming B28-1	Х			X		
	Pei-ching D28-1		×		х		UNP for over 1 yr	65	Kun-ming B17-1	X			×		
29	Hsi-ho-ying A19-1	х				×		66	Meng-tzu A31-1	X				х	Collocated with afld
30	Pei-ching E30A-1	X		×	Х		Elevator guidance rdr; bnkd msl-hold cocoons	67	Ning-ming A11A-1	×				х	Collocated with afid
31	Pei-ching E30-1		Х			×	Collocated with E30A-1	68	Kuang-chou B28-1		x	×	x		
32	Pei-ching D33-1	х		×	X		Elevator guidance rdr; bnkd	69	Kuang-chou	×			×		Collocated at army bks
33	Chih-cheng B05-1	х		×	х		msl-hold	70	B34-1 Kuang-chou	×			x		
34	Chang-chia-kou	х		×	x			71	A08-1 Lien-cheng		×			x	Collocated with A21-A
35	D10-1 Chang-chia-kou	x		×	x			72	A21A-1 Lien-cheng	×		×	х		
36	B13-1 Chang-chia-kou		x		x		UNP over 1 yr	73	A21-1 Nan-chang	×			^	x	
37	A15-1 Chi-ning	×		x	×				C14-1					^	
	A30-1							TOTALS		56	17	25	56	17	



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